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1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/647,309A

DATE: 04/03/2002 P.5

TIME: 11:11:01

Input Set : N:\EBONY'S\EP.txt

Output Set: N:\CRF3\04032002\1647309A.raw

3 <110> APPLICANT: Pierre Fabre Medicament 5 <120> TITLE OF INVENTION: USE OF ACTIVE P40 CONJUGATES FOR NASAL DELIVERY PECEIVED

TECHOENTER 1000/2000 7 <130> FILE REFERENCE: D17064 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/647,309A C--> 10 <141> CURRENT FILING DATE: 2002-02-28 12 <150> PRIOR APPLICATION NUMBER: FR 98 03814 13 <151> PRIOR FILING DATE: 1998-03-27 15 <160> NUMBER OF SEQ ID NOS: 136 17 <170> SOFTWARE: PatentIn Vers. 2.0 19 <210> SEO ID NO: 1 20 <211> LENGTH: 1032 21 <212> TYPE: DNA 22 <213> ORGANISM: Klebsiella pneumoniae 24 <220> FEATURE: 25 <221> NAME/KEY: CDS 26 <222> LOCATION: (1)..(1032) 27 <223> OTHER INFORMATION: rP40 29 <400> SEQUENCE: 1 30 atg aaa gca att ttc gta ctg aat gcg gct ccg aaa gat aac acc tgg 48 31 Met Lys Ala Ile Phe Val Leu Asn Ala Ala Pro Lys Asp Asn Thr Trp 5 10 34 tat gca ggt ggt aaa ctg ggt tgg tcc cag tat cac gac acc ggt ttc 96 35 Tyr Ala Gly Gly Lys Leu Gly Trp Ser Gln Tyr His Asp Thr Gly Phe 20 38 tac ggt aac ggt ttc cag aac aac ggt ccg acc cgt aac gat cag 144 39 Tyr Gly Asn Gly Phe Gln Asn Asn Gly Pro Thr Arg Asn Asp Gln 40 42 ctt ggt gct ggt gcg ttc ggt ggt tac cag gtt aac ccg tac ctc ggt 192 43 Leu Gly Ala Gly Ala Phe Gly Gly Tyr Gln Val Asn Pro Tyr Leu Gly 44 50 55 46 ttc gaa atg ggt tat gac tgg ctg ggc cgt atg gca tat aaa ggc agc 240 47 Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser 70 75 50 gtt gac aac ggt gct ttc aaa gct cag ggc gtt cag ctg acc gct aaa 288 51 Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys 85 90 54 ctg ggt tac ccg atc act gac gat ctg gac atc tac acc cgt ctg ggc 336 55 Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly 100 105 110 58 ggc atg gtt tgg cgc gct gac tcc aaa ggc aac tac gct tct acc ggc 384 59 Gly Met Val Trp Arg Ala Asp Ser Lys Gly Asn Tyr Ala Ser Thr Gly 120

62 gtt tee egt age gaa eae gae aet gge gtt tee eea gta ttt get gge

432

RAW SEQUENCE LISTING DATE: 04/03/2002 PATENT APPLICATION: US/09/647,309A TIME: 11:11:01

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68 145 150 155 160	
70 cag tgg gtt aac aac atc ggc gac gcg ggc act gtg ggt acc cgt cct	528
71 Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro	
72 165 170 175	
74 gat aac ggc atg ctg agc ctg ggc gtt tcc tac cgc ttc ggt cag gaa	576
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75 Asp Asn Gly Met Leu Ser Leu Gly Val Ser Tyr Arg Phe Gly Gln Glu	
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78 gat gct gca ccg gtt gtt gct ccg gct ccg gct ccg gct ccg gaa gtg	624
79 Asp Ala Ala Pro Val Val Ala Pro Ala Pro Ala Pro Ala Pro Glu Val	
80 195 200 205	
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87 Lys Ala Thr Leu Lys Pro Glu Gly Gln Gln Ala Leu Asp Gln Leu Tyr	
88 225 230 235 240	
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95 Gly Tyr Thr Asp Arg Ile Gly Ser Glu Ala Tyr Asn Gln Gln Leu Ser	
96 260 265 270	
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98 gag aaa cgt gct cag tcc gtc gtt gac tac ctg gtt gct aaa ggc atc	864
99 Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile	
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104 290 295 300	•
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106 act ggc aac acc tgt gac aac gtg aaa gct cgc gct gcc ctg atc gat	900
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108 305 310 315 320	
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**RAW SEQUENCE LISTING**PATENT APPLICATION: **US/09/647,309A**DATE: 04/03/2002

TIME: 11:11:01

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152 Gly Val Glu Trp Ala Val Thr Arg Asp Ile Ala Thr Arg Leu Glu Tyr
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170 Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Leu
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Input Set : N:\EBONY'S\EP.txt

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210 Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro Pro Asn Lys Pro Asn Asn
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213 gat ttc cat ttc gaa gtg ttc aac ttc gtg ccg tgc agc atc tgc agc
214 Asp Phe His Phe Glu Val Phe Asn Phe Val Pro Cys Ser Ile Cys Ser
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217 aac aac ccg acc tgc tgg gcg atc tgc aaa cgt atc ccg aac aaa aaa
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218 Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys Arg Ile Pro Asn Lys Lys
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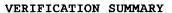
DATE: 04/03/2002 PATENT APPLICATION: US/09/647,309A TIME: 11:11:01

Input Set : N:\EBONY'S\EP.txt

Output Set: N:\CRF3\04032002\1647309A.raw

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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.



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Input Set : N:\EBONY'S\EP.txt

Output Set: N:\CRF3\04032002\1647309A.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:604 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:19 L:604 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:19 L:604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 L:621 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:20 L:621 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:20 L:621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 L:638 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:21 L:638 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21 L:638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 L:655 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:22 L:655 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:22 L:655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22. L:882 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:33 L:882 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:33 L:882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 L:902 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:34 L:902 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:34 L:902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 L:922 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:35 L:922 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:35 L:922 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 L:942 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:36 L:942 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:36 L:942 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 L:3222 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:129 L:3222 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:129 L:3222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 L:3242 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:130 L:3242 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:130 L:3242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 L:3321 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:135 L:3321 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:135 L:3321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 L:3338 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:136 L:3338 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:136 L:3338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136